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## **ASX Announcement**

Friday 5th July 2019

# Final Assays Deliver 750m Copper-Gold Porphyry Drill Result at Cortadera

# **Highlights**

 Final diamond core assays extend the initial result in hole CRP0013D by another 128m down-hole, further cementing the Cortadera drill result amongst one of the world's standout copper-gold porphyry drill intersections ever recorded globally

## **Updated Result for CRP0013D**

750m grading 0.6% copper and 0.2g/t gold from 204m depth

including a New High Grade Zone (unchanged) comprising:

188m grading 0.9% copper and 0.4g/t gold from 516m depth which includes:

100m grading 1.0% copper and 0.5g/t gold from 530m depth

(including significant silver and molybdenum credits)

- CRP0013D was terminated at 1,185.9m, ending in mineralised porphyry and concluding the Company's very successful first phase of drilling at Cortadera
- Independent consultant AMC engaged to prepare initial Mineral Resource estimate for Cortadera
- Preparations for commencement of a second phase drilling programme at Cortadera are advancing, with multiple geological modelling workstreams underway to inform final drill design

Hot Chili Limited (ASX code HCH) ("Hot Chili" or "Company") is pleased to confirm it has further extended the best drilling intersection in the Company's history at its Cortadera copper-gold project, located along the Chilean coastal range.

Final assay results for CRP0013D have increased the width from an initial 622m significant intersection to an even more impressive 750m. Importantly, the same standout bulk grade of 0.6% copper and 0.2g/t gold has been maintained over the entire 750m drill intersection.

The result returned from CRP0013D has outlined the beginnings of a bulk tonnage, high grade zone at depth at Cortadera, materially changing the potential scale and pedigree of the Cortadera copper-gold porphyry discovery.

## **ASX CODE**

HCH

## Contact

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## **Next Steps at Cortadera**

Hot Chili has now received all assay results for its first phase of drilling at the Cortadera coppergold discovery in Chile. Final assay results for the remaining 359.9m of diamond hole CRP0013D have expanded the initial significant intersection by a further 128m down-hole, extending the standout result to 750m grading 0.6% copper and 0.2g/t gold from 204m down-hole depth.

The new high grade bulk tonnage zone discovered in diamond hole CRP0013D remains unchanged, comprising 188m grading 0.9% copper and 0.4g/t gold from 516m down-hole depth (which includes 100m grading 1.0% copper and 0.5g/t gold from 530m down-hole depth).

Hot Chili's team are busy compiling numerous historical and new datasets at Cortadera to facilitate various geological models aimed at refining the Company's approach to drill design for a planned second phase of diamond (DD) and reverse circulation (RC) drilling.

In addition, Hot Chili confirms that it has engaged independent consultant AMC to prepare an initial Mineral Resource estimate for Cortadera.

Various resource and QA/QC work streams have been underway for several months in preparation for an initial Mineral Resource to be estimated at Cortadera with high degree of rigour and confidence.

The new, bulk tonnage, high grade zone discovered at Cortadera exhibits many similar characteristics present in some of the world's most notable large-scale underground porphyry mines and developments, not least of all its combined copper and gold grade. The potential scale of this zone is unknown and remains largely open, representing a very exciting focus for Hot Chili's second phase of drilling.

Hot Chili's open pit development approach to combine two bulk tonnage deposits in Productora and Cortadera (located within 14km of one another), along with nearby high grade satellites, has been materially enhanced by the addition of this new bulk tonnage, high grade zone. Any potential underground development scenario that may eventuate given further success is advantaged by the presence of a significant open pit inventory already established and growing.

The following figures 1, 2, 3, and 4 display the location of the final significant intersection recorded in diamond hole CRP0013D at Cortadera in plan, long section and cross section view.

The Company looks forward to providing further updates related to Hot Chili's planned drilling, resource work and potential future funding initiatives over the coming weeks and months ahead.

For more information please contact:

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or visit Hot Chili's website at www.hotchili.net.au

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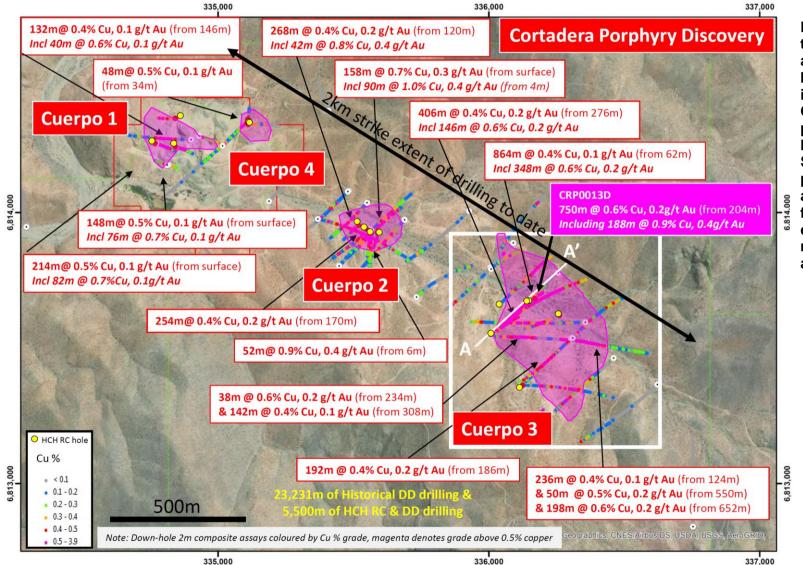


Figure 1 Plan view across the Cortadera discovery area displaying significant historical copper-gold DD intersections across Cuerpo 1, 2 and 3 tonalitic porphyry intrusive centres. Note the location of Type Sections A, and the inset plan are for Cuerpo3 associated with the following figures. The new drilling intersection recorded in CRP0013D is also annotated.

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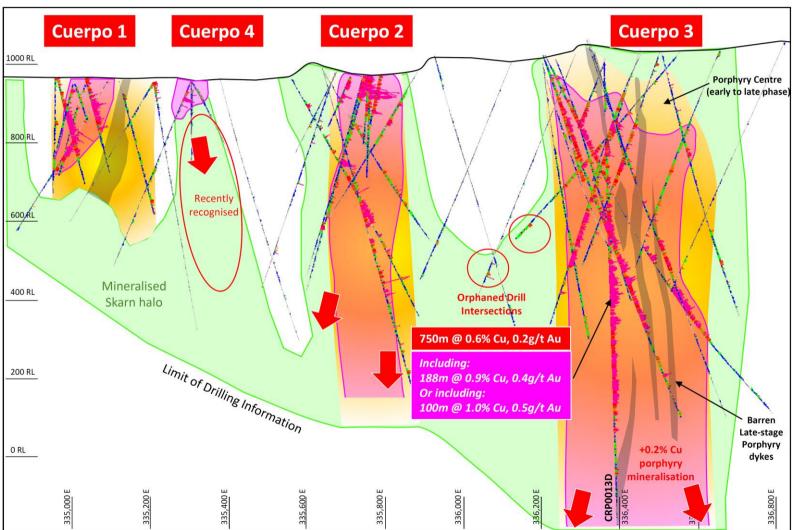


Figure 2 Long Section looking north across Cuerpo 1, 2 and 3 at the Cortadera copper-gold discovery. Note the location of CRP0013D which has identified a significant new high grade zone at depth below the main porphyry – Cuerpo 3

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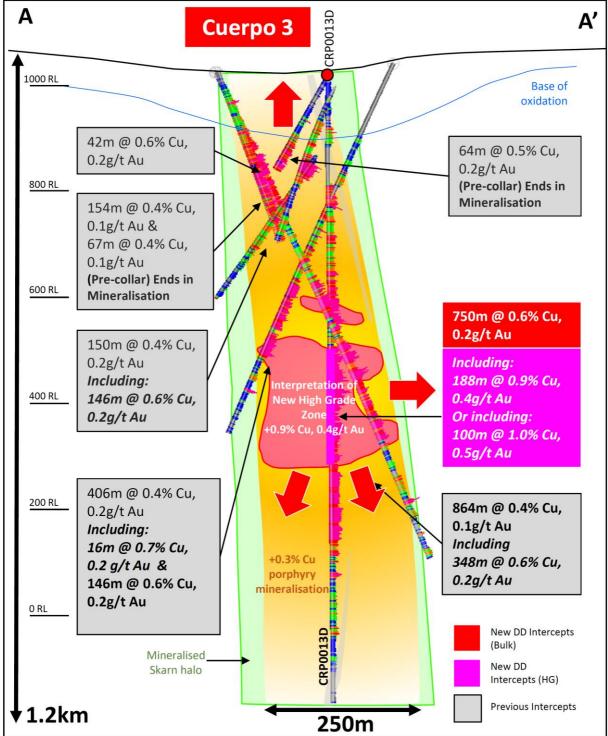


Figure 3 Type Section A displaying historical DD drill results and an interpretation of Cuerpo 3 - the main host tonalitic porphyry intrusion at Cortadera.



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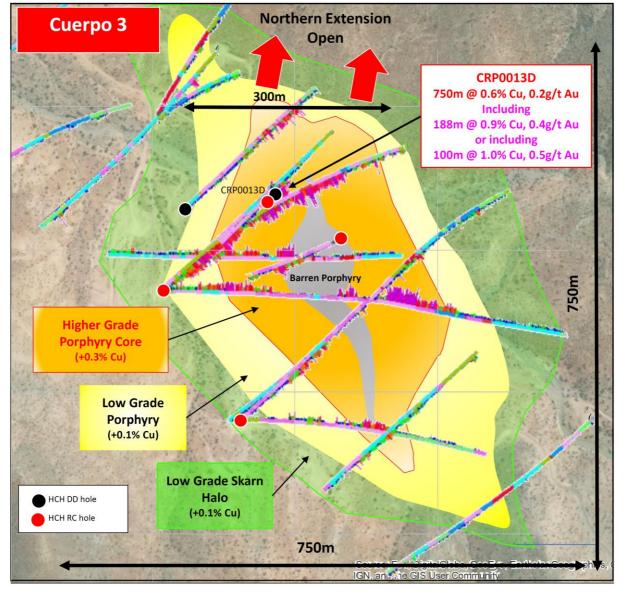


Figure 4 Plan view of Cuerpo 3 - the Main porphyry of the four porphyry centres discovered to date at Cortadera. The plan displays the location and basic geology of the mineralised tonalitic host porphyry and the surrounding lower grade mineralised skarn halo. Note the location of significant new results released for CRP0013D



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Table 1 Significant DD Drill Results at Cortadera

	Coordinates			Hole	Intersection		Interval	Copper	Gold	Silver	Molybdenum		
Hole_ID	North	East	RL	Azim	Dip Depth	From	То	(m)	(% Cu)	(g/t Au)	(ppm Ag)	(ppm Mo)	
CRP0013D	6814070	336348	1020	360	-90	1185.9	204	954	750	0.6	0.2	1.1	79
	including						516	704	188	0.9	0.4	1.7	94
	or												
	including						530	630	100	1.0	0.5	2.4	96

## **About Cortadera**

Cortadera is a privately-owned, major copper-gold porphyry discovery located along the Chilean coastal range, where historical world-class discovery drill results have only recently been publicly released by Hot Chili.

Importantly, Cortadera lies 14km from the Company's large-scale Productora copper development and adjacent to the high grade El Fuego satellite copper projects, as displayed in Figure 1 below.

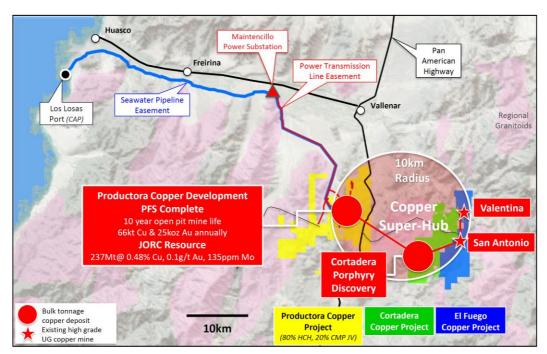


Figure 1 Location of Productora and the Cortadera discovery in relation to the consolidation of new growth projects and coastal range infrastructure

On 22<sup>nd</sup> February 2019, Hot Chili announced to the Australian Securities Exchange (ASX) the execution of a formal Option Agreement to acquire a 100% interest in Cortadera.

In early April, the Company commenced a confirmation drilling programme comprising 17 holes for approximately 5,000m of RC and 1,500m of DD drilling.



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The drilling aims to confirm and extend areas of surface enrichment and wide, higher-grade, copper-gold sulphide mineralisation, which had not previously been closed off by 23,000m of historical diamond drilling.

Initial results from shallow RC drilling completed by Hot Chili have confirmed extensive copper from surface in addition to near-surface enrichment zones across Cuerpo 1 and 2 at Cortadera.

Diamond (DD) drilling is currently being completed across Cuerpo 3 (the largest of the four porphyries discovered to date) where previous DD drilling had recorded wide copper sulphide intersections which remained open (up-dip, down-dip and laterally), including:

864m grading 0.4% copper and 0.1g/t gold from 62m down-hole depth (including 348m grading 0.6% copper and 0.2g/t gold)

**406m grading 0.4%copper and 0.2g/t gold** from 276m down-hole depth (including 146m grading 0.6% copper and 0.2g/t gold)

198m grading 0.6% copper and 0.2g/t gold from 652m down-hole depth

Combining Productora and Cortadera to leverage central processing and infrastructure, looks likely to underpin a globally significant new copper development along the coastline of Chile.



# **Qualifying Statements**

## **JORC Compliant Ore Reserve Statement**

Productora Open Pit Probable Ore Reserve Statement – Reported 2<sup>nd</sup> March 2016

Ore Type	_	Tonnago	Grade				Contained	Metal	Payable Metal		
	Reserve Category	Tonnage	Cu	Au	Mo	Copper	Gold	Molybdenum	Copper	Gold	Molybdenum
	category	(Mt)	(%)	(g/t)	(ppm)	(tonnes)	(ounces)	(tonnes)	(tonnes)	(ounces)	(tonnes)
Oxide		24.1	0.43	0.08	49	103,000	59,600	1,200	55,600		
Transitional	Probable	20.5	0.45	0.08	92	91,300	54,700	1,900	61,500	24,400	800
Fresh		122.4	0.43	0.09	163	522,500	356,400	20,000	445,800	167,500	10,400
Total	Probable	166.9	0.43	0.09	138	716,800	470,700	23,100	562,900	191,900	11,200

Note 1: Figures in the above table are rounded, reported to two significant figures, and classified in accordance with the Australian JORC Code 2012 guidance on Mineral Resource and Ore Reserve reporting. Note 2: Price assumptions: Cu price - US\$3.00/lb; Au price US\$1200/oz; Mo price US\$14.00/lb. Note 3: Mill average recovery for fresh Cu - 89%, Au - 52%, Mo - 53%. Mill average recovery for transitional; Cu 70%, Au - 50%, Mo - 46%. Heap Leach average recovery for oxide; Cu - 54%. Note 4: Payability factors for metal contained in concentrate: Cu - 96%; Au - 90%; Mo - 98%. Payability factor for Cu cathode - 100%.

## **JORC Compliant Mineral Resource Statements**

Productora Higher Grade Mineral Resource Statement, Reported 2nd March 2016

			Grad	le		Contained Metal				
		Tonnage	Cu	Au	Mo	Copper	Gold	Molybdenum		
Deposit	Classification	(Mt)	(%)	(g/t)	(ppm)	(tonnes)	(ounces)	(tonnes)		
	Indicated	166.8	0.50	0.11	151	841,000	572,000	25,000		
Productora	Inferred	51.9	0.42	0.08	113	219,000	136,000	6,000		
	Sub-total	218.7	0.48	0.10	142	1,059,000	708,000	31,000		
	Indicated	15.3	0.41	0.04	42	63,000	20,000	600		
Alice	Inferred	2.6	0.37	0.03	22	10,000	2,000	100		
	Sub-total	17.9	0.41	0.04	39	73,000	23,000	700		
	Indicated	182.0	0.50	0.10	142	903,000	592,000	26,000		
Combined	Inferred	54.5	0.42	0.08	109	228,000	138,000	6,000		
	Total	236.6	0.48	0.10	135	1,132,000	730,000	32,000		

Reported at or above 0.25 % Cu. Figures in the above table are rounded, reported to two significant figures, and classified in accordance with the Australian JORC Code 2012 guidance on Mineral Resource and Ore Reserve reporting. Metal rounded to nearest thousand, or if less, to the nearest hundred.

Productora Low Grade Mineral Resource Statement, Reported 2<sup>nd</sup> March 2016

			Grad	le		Contained Metal				
		Tonnage	Cu	Au	Mo	Copper	Gold	Molybdenum		
Deposit	Classification	(Mt)	(%)	(g/t)	(ppm)	(tonnes)	(ounces)	(tonnes)		
	Indicated	150.9	0.15	0.03	66	233,000	170,000	10,000		
Productora	Inferred	50.7	0.17	0.04	44	86,000	72,000	2,000		
	Sub-total	201.6	0.16	0.04	60	320,000	241,000	12,000		
	Indicated	12.3	0.14	0.02	29	17,000	7,000	400		
Alice	Inferred	4.1	0.12	0.01	20	5,000	2,000	100		
	Sub-total	16.4	0.13	0.02	27	22,000	9,000	400		
	Indicated	163.2	0.15	0.03	63	250,000	176,000	10,000		
Combined	Inferred	54.8	0.17	0.04	43	91,000	74,000	2,000		
	Total	218.0	0.16	0.04	58	341,000	250,000	13,000		

Reported at or above 0.1% Cu and below 0.25 % Cu. Figures in the above table are rounded, reported to two significant figures, and classified in accordance with the Australian JORC Code 2012 guidance on Mineral Resource and Ore Reserve reporting. Metal rounded to nearest thousand, or if less, to the nearest hundred. Metal rounded to nearest thousand, or if less, to the nearest hundred.

### **Mineral Resource and Ore Reserve Confirmation**

The information in this presentation that relates to Mineral Resources, Ore Reserve estimates and Production Targets on the Productora copper project was previously reported in the ASX announcement "Hot Chili Delivers PFS and Near Doubles Reserves at Productora" dated 2nd March 2016, a copy of which is available on the ASX website at www.asx.com.au and the Company's website at www.hotchili.net.au. The company confirms that it is not aware of any new formation or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in that announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement

## Competent Person's Statement- Exploration Results

Exploration information in this Announcement is based upon work compiled by Mr Christian Easterday, the Managing Director and a full-time employee of Hot Chili Limited whom is a Member of the Australasian Institute of Geoscientists (AIG). Mr Easterday has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a 'Competent Person' as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Easterday consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

## **Competent Person's Statement- Mineral Resources**

The information in this Announcement that relates to the Productora Project Mineral Resources, is based on information compiled by Mr J Lachlan Macdonald and Mr N Ingvar Kirchner. Mr Macdonald is employed by AMC Consultants (AMC), and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Kirchner is employed by AMC Consultants (AMC). AMC has been engaged on a fee for service basis to provide independent technical advice and final audit for the Productora Project Mineral Resource estimates. Mr Kirchner is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM) and is a Member of the Australian Institute of Geoscientists (AIG). Both Mr Macdonald and Mr Kirchner have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code 2012).

## Competent Person's Statement- Ore Reserves

The information in this Announcement that relates to Productora Project Ore Reserves, is based on information compiled by Mr Carlos Guzmán, Mr Boris Caro, Mr Leon Lorenzen and Mr Grant King. Mr Guzmán is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM), a Registered Member of the Chilean Mining Commission (RM- a 'Recognised Professional Organisation' within the meaning of the JORC Code 2012) and a full time employee of NCL Ingeniería y Construcción SpA (NCL). Mr Caro is a former employee of Hot Chili Ltd, now working in a consulting capacity for the Company, and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) and a Registered Member of the Chilean Mining Commission. Mr Lorenzen is employed by Mintrex Pty Ltd and is a Chartered Professional Engineer, Fellow of Engineers Australia, and is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr King is employed by AMEC Foster Wheeler (AMEC FW) and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). NCL, Mintrex and AMEC FW have been engaged on a fee for service basis to provide independent technical advice and final audit for the Productora Project Ore Reserve estimate. Mr. Guzmán, Mr Caro,Mr Lorenzen and Mr King have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'.

## **Forward Looking Statements**

This Announcement is provided on the basis that neither the Company nor its representatives make any warranty (express or implied) as to the accuracy, reliability, relevance or completeness of the material contained in the Announcement and nothing contained in the Announcement is, or may be relied upon as a promise, representation or warranty, whether as to the past or the future. The Company hereby excludes all warranties that can be excluded by law. The Announcement contains material which is predictive in nature and may be affected by inaccurate assumptions or by known and unknown risks and uncertainties and may differ materially from results ultimately achieved.

The Announcement contains "forward-looking statements". All statements other than those of historical facts included in the Announcement are forward-looking statements including estimates of Mineral Resources. However, forward-looking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks include, but are not limited to, copper, gold and other metals price volatility, currency fluctuations, increased production costs and variances in ore grade recovery rates from those assumed in mining plans, as well as political and operational risks and governmental regulation and judicial outcomes. The Company does not undertake any obligation to release publicly any revisions to any "forward-looking statement" to reflect events or circumstances after the date of the Announcement, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws. All persons should consider seeking appropriate professional advice in reviewing the Announcement and all other information with respect to the Company and evaluating the business, financial performance and operations of the Company. Neither the provision of the Announcement nor any information contained in the Announcement or subsequently communicated to any person in connection with the Announcement is, or should be taken as, constituting the giving of investment advice to any person

# **JORC Code, 2012 Edition – Table 1 report template**

# **Section 1 Sampling Techniques and Data**

(	Criteria in t	his section	apply to al	l succeedin	g sections.)
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		Commentary
Criteria III tr Criteria Sampling techniques	<ul> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	This announcement updates activities at Hot Chili Limited's ("Hot Chili" or the "Company") Cortadera Project. This includes assay results from the current drilling programme being undertaken at the Cortadera copper-gold porphyry discovery.  Reverse circulation drilling (RC) was used to produce a 1m bulk sample and representative 2m cone split samples (nominally a 12.5% split) were collected using a cone splitter.  Geological logging was completed, and mineralised sample intervals were determined by the geologists to be submitted as 2m samples for RC drilling. In RC intervals assessed as unmineralised, 4m composite (scoop) samples were collected for laboratory for analysis. If these 4m composite samples return results with anomalous grade the corresponding original 2m split samples are then routinely submitted to the laboratory for analysis.  The samples were crushed and split at the laboratory, with up to 3kg pulverised, with a 50g samples analysed by Industry standard methods.  The sampling techniques used are deemed appropriate for exploration and resource development purposes for this type of mineralisation.  The data compiled for historical drilling at the Cortadera project has been collated from SCM Carola documents.  Historical drilling at the Cortadera project is diamond core (DD). There have been 29 diamond holes drilled for a total of 19,268m. A further 10 diamond holes for a further 3,963m has been completed along-strike at Purisima
	that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of	Historical drilling at the Cortadera project is diamond core (DD). There have been 29 diamond holes drilled for a total of 19,268m. A further 10 diamond holes for a further 3,963m has been completed along-strike at Purisima  Historical and Hot Chili diamond sampling was predominantly HQ3 (61.24mm) half core. 99% of
		the sample data is comprised of 2m composited samples (which were taken at every 2m interval). These results comprise 30g fire assay for gold, and for copper, either 4-acid or 3-acid digest followed by either an ICP-MS, ICP-AAS or HF-ICP-AES.
		Hot Chili Limited ("the Company") has verified as much as possible the location, orientation, splitting and sampling methods, analytical techniques, and assay values. The Company has not

Criteria	JORC Code explanation	Commentary
		completed a comprehensive review of the SCM Carola QA/QC data but notes that a substantial amount of QAQC data is available for review and the Company has undertaken a high level initial review of the SCM Carola QA/QC data.
Drilling techniques	Drill type (eg core, reverse circulation, open- hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-	Hot Chili's Reverse Circulation drilling used 140 to 130mm diameter drill bits. RC drilling employed face sampling hammers ensuring contamination during sample extraction is minimised.
	sampling bit or other type, whether core is oriented and if so, by what method, etc).	Historical and Hot Chili diamond drilling used HQ bits (HQ; 96mm external, 61.24mm internal).
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Drilling techniques to ensure adequate RC sample recovery and quality included the use of "booster" air pressure. Air pressure used for RC drilling was 700-800psi.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	All DD drilling undertaken utilised HQ core with sampling undertaken vai half core cutting and 2m sample intervals, aligned with historical DD sampling and drilling techniques.
	<ul> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	Logging of all samples followed established company procedures which included recording of qualitative fields to allow discernment of sample reliability. This included (but was not limited to) recording: sample condition, sample recovery, sample method.
		The initial drilling programme is now complete and a final assessment of sample recovery and condition is planned to be undertaken. The majority of drilling has had no material recovery issues.
		No quantitative analysis of samples weights, sample condition or recovery has been undertaken.
		Twinned drilling analysis has been undertaken at the project to compare RC versus historical HQ diamond drilling. No significant variance has been identified.
		Historical diamond drilling recovery has not been quantitatively assessed. A preliminary inspection of core photography was undertaken, and no material issues were noted.
		Methods taken to maximise historical sample recovery, quality, condition are not known.
		No analysis of historical samples weights, sample condition or recovery has been undertaken.

Criteria	JORC Code explanation	Commentary					
Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and	Geological logging of samples followed established company and industry common procedures. Qualitative logging of samples included (but was not limited to) lithology, mineralogy, alteration and weathering.					
	metallurgical studies.  • Whether logging is qualitative or quantitative	Every metre (100%) of HCH drilling was geologically logged.					
	in nature. Core (or costean, channel, etc)	The total length of the relevant mineralised interval(s) is provided in the main body of the report.					
	<ul> <li>photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	Geological logs have been provided as part of third-party historical data, these have been reviewed and are deemed to be of an appropriate standard. All geological logs are fully available and Hot Chili has also completed verification and re-logging programme of historical diamond drill core where required					
0.1							
Sub-sampling techniques	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> </ul>	Splitting of RC samples occurred via cone splitter by the RC drill rig operators. Cone splitting of RC drill samples occurred regardless of the sample condition.					
and sample preparation	<ul> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> </ul>	RC drilling sample weights range from 0.3kg to 7.0kg, but typically between 2-4kg, and generally averaging around 3.2kg.					
	<ul> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> </ul>	Half core 2m sample intervals have been utilised for Hot Chili's HQ diamond core, in-line with previous historical diamond core sampling					
	<ul> <li>Quality control procedures adopted for all sub- sampling stages to maximise representivity of samples.</li> </ul>	All samples were submitted to ALS Coquimbo (Chile) for multi-element analysis. The sample preparation included:					
	<ul> <li>Measures taken to ensure that the sampling is representative of the in situ material collected,</li> </ul>	Samples were then split via rotatory splitter to achieve ~1kg split,					
	<ul> <li>including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>This split was then pulverised such that a minimum of 85% passes 75um and 150g was used for analytical pulp (ICP-AES), also 30g was used for fire assay fusion (gold).</li> <li>150g pulps derived from sample preparation (outlines in the previous sections) were used for multi-element analysis. ALS method ME-ICP61 involves a 4-acid digestion (Hydrochloric-Nirtic-Perchloric-Hydrofluoric) followed by ICP-AES determination.</li> <li>Samples that returned Cu grades &gt;10,000ppm were analysed by ALS "ore grade" method Cu-OG62, which is a 4-acid digestion, followed by AES measurement to 0.001%Cu</li> <li>Samples determined to be either oxide or transitional in weathering were also analysed using a copper soluble method Cu-AA05</li> </ul>					

Criteria	JORC Code explanation	Commentary
		<ul> <li>Pulp samples were subsequently analysed for gold by ALS method Au-ICP21; a 30g lead-collection Fire Assay, followed by ICP-OES to a detection limit of 0.001ppm Au.</li> </ul>
		Sample collection, size and analytical methods are deemed appropriate for the style of exploration.
		Historical Half diamond core was sampled. All samples were submitted to either ACTLABS (Chile), ACME Labs (now Bureau Veritas, Chile), ALS Global (Chile) or Andes Analytical Assay (Chile).
		Hot Chili Limited has verified the historical sampling methods, analytical techniques, and assay values. The Company has undertaken a high-level initial review of the SCM Carola QA/QC data.
		The lab specific methods used at the time of historical drilling are yet to be confirmed, and will be verified as part of the Company's due diligence.
		Sample length collection methods of historical diamond sampling are considered acceptable for the exploration of these styles of mineralisation.
Quality of assay data and laboratory	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> </ul>	All Hot Chili samples were assayed by industry standard methods through commercial laboratories in Chile (ALS Coquimbo). Typical analysis methods are detailed in the previous section and are consider 'near total' values.
tests	<ul> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul> <li>Hot Chili undertakes several steps to ensure quality of sampling. These include, but are not limited to, the use of duplicates, certified reference material and blank media: <ul> <li>Routine 'standard' (mineralised pulp) Certified Reference Material (CRM) was inserted at a nominal rate of 1 in 50 samples.</li> <li>Routine 'blank' material (mineralised quartz) was inserted at a nominal rate of 1 in 100 samples at the logging geologist's discretion.</li> <li>Routine field duplicates for RC samples were submitted at a rate of 1 in 50 samples.</li> <li>The drilling programme is still underway, and while the full analysis of quality parameters has yet to be undertaken, no significant issues have been noted.</li> </ul> </li> <li>No umpire checks were undertaken by Hot Chili during this period. <ul> <li>The analytical laboratories provided their own routine quality controls within their own practices.</li> <li>No significant issues have been noted.</li> </ul> </li> </ul>
		All historical Cortadera samples were assayed by industry standard methods through commercial laboratories in Chile (ACTLABS, ALS Global, or Andes Analytical Assay).

Criteria	JORC Code explanation	Commentary
		<ul> <li>Typical analysis methods used for historical samples included;</li> <li>For copper and multi-element; either 4-acid or 3-acid digest followed by either an ICP-MS, ICP-AAS, or a HF digest with ICP-AES. E.g. ACTLAB method 3ACID-AAS, ALS method Cu-AA61, Andes Analytical Assay method (4A-AAS1E01 or ICP_AES_HH22).</li> <li>Gold grades were analysed for Fire Analysis (30g charge). E.g. ACTLABS method FA-AAS, ALS method Au-AA23, Andes Analytical Assay method AEF_AAS1EE9.</li> </ul>
		No formal assessment of SCM Carola standards, duplicates or umpire testing has been undertaken. Although a high level assessment of all assays which includes approximately 10% QAQC samples has been undertaken.
		No assessment of laboratories standards and practices has been undertaken for historical drilling.
Verification of sampling and	The verification of significant intersections by either independent or alternative company  The verification of significant intersections by	The SCM Carola documents indicate that there has been some previous umpire sample test work. Hot Chili has not quantitatively reviewed this data.
assaying	<ul><li>personnel.</li><li>The use of twinned holes.</li><li>Documentation of primary data, data entry</li></ul>	Hot Chili has commenced a programme of quarter core sampling across selected intervals of historical half diamond core
	<ul><li>procedures, data verification, data storage (physical and electronic) protocols.</li><li>Discuss any adjustment to assay data.</li></ul>	Twinned drilling at the Cortadera project has commenced to compare RC to previous HQ diamond drilling. One twin drill hole is expected to be completed at each of the three porphyry bodies defined (Purisima, Cuerpo 2 and Cuerpo 3)
		All retained core and pulp samples are stored in a secured site and are available for verification if required.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole	RC drill collars were set out using a hand help GPS and final collars were collected using a handheld GPS. The WGS84 UTM zone 19S coordinate system was used for all undertakings.
	surveys), trenches, mine workings and other locations used in Mineral Resource estimation.  • Specification of the grid system used.	Downhole surveys for RC drilling by Hot Chili were completed by the drilling contractor using a north-seeking gyroscope. Holes without downhole survey use planned or compass bearing/dip measurements for survey control.
	<ul> <li>Quality and adequacy of topographic control.</li> </ul>	Drill collar survey methods undertaken by SCM Carola are yet to be verified, however all collars were located by Hot Chili and have been surveyed using a DGPS.
		Downhole surveys were completed on some of the Cortadera drilling. Holes without downhole survey use planned or compass bearing/dip measurements for survey control.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	The PSAD56 zone 19S coordinate system was used for all Cortadera undertakings  The spacing and location of the majority of the historical diamond drilling at the Cortadera project is variable and ranges from approximately 80m to 300m. Sampling has been undertaken at 2m intervals.  The spacing and location of data is currently only being considered for exploration purposes with additional RC and diamond drilling being undertaken by Hot Chili to establish a Mineral Resource.
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	Historical drilling completed and current drilling being completed at Cortadera is nominally perpendicular to mineralisation where practical and where known. The relationship of mineralisation widths to the intercepts of drilling undertaken by other previous companies is unknown and yet to be assessed, however copper-gold porphyry mineralisation is typically fairly homogenous meaning a limited chance of bias likely to be caused from drilling orientation.  A list of the drill holes and orientations is stated in section 2 of this table for all historical diamond drilling and a list of drill holes reported in this announcement is contained within the body of this announcement.  Considering the types of mineralisation at the Cortadera projects, the drilling orientations and
Sample security	The measures taken to ensure sample security.	subsequent sampling is considered to be unbiased in its representation for exploration reporting purposes.  Hot Chili has strict chain of custody procedures that are adhered. All samples have the sample submission number/ticket inserted into each bulk polyweave sample bag with the id number clearly visible. The sample bag is stapled together such that no sample material can spill out and no one can tamper with the sample once it leaves Hot Chili's custody.  The measures taken to ensure sample security during historical drilling are unknown. All retained core and pulp samples are currently stored in a secured site and are available for verification if required.
Audits or reviews	<ul> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	None completed.

# **Section 2 Reporting of Exploration Results**

(Criteria listed in the preceding section also apply to this section.)

Criteria		ORC Code explanation	Commen	tary							
Mineral	•	Type, reference name/number, location and	Cortadera Project tenements and details:								
tenement and		ownership including agreements or material	Magdalenita 1/20			Corro	teo 5 1/2	61	L	as Cañas 1 <sub>/</sub>	<b>'</b> 15
land tenure status		issues with third parties such as joint ventures, partnerships, overriding royalties,	Atacam	nita 1/82		Pauli	na 27 A 1 <sub>/</sub>	′30	C	ortadera 1,	<b>'</b> 40
Status		native title interests, historical sites,	Paulina	a 11B 1/3	0	Pauli	na 15 B 1/	′30	P	aulina 24 A	1/24
		wilderness or national park and environmental	Paulina	a 10B 1/2	0	Pauli	na 22 A 1 <sub>/</sub>	′30	P	aulina 25 A	1/20
	•	settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	Amalia	942 A 1/	10	Corta	dera 1 1/1	200		as Cañas Es /30	te 2003
			Paulina	a 12B 1/3	0	Corta	dera 2 1/2	200	P	aulina 26 A	1/30
			Paulina	a 13B 1/3	0	Corta	dera 41		С	ortadera 42	2
			Paulina	a 14B 1/3	0	Corro	teo 1 1/2	80	L	o Cañas 16	
Exploration done by other parties  Geology		Acknowledgment and appraisal of exploration by other parties.  Deposit type, geological setting and style of mineralisation.									
Drill hole	•	A summary of all information material to the	appear to exhibit typical Cu-Au porphyry veining networks and associated alteration styles. As typical in porphyry deposits, Cu and Au are strongly related, and higher-grade Cu and Mo are associated with high vein density.  Local oxide mineralisation encountered in drilling and observed at surface suggests supergene mineralisation  The coordinates and orientations for all of the historical Cortadera drill holes are provided								
Information		understanding of the exploration results including a tabulation of the following information for all Material drill holes:	below:								
		<ul> <li>easting and northing of the drill hole collar</li> </ul>	hole_id	easting	northing	RL	Datum	azimuth	dip	hole_depth	
		<ul> <li>elevation or RL (Reduced Level – elevation</li> </ul>	FJOD-01	335750.0	6814312.0	977.2	PSAD56	180	-60	300.7	
		above sea level in metres) of the drill hole	FJOD-02	335743.3	6814316.0	976.9	PSAD56	225	-69	542.6	
		collar o dip and azimuth of the hole	FJOD-03	335598.1	6814752.7	1015.5	PSAD56	315	-70	323.1	

Criteria	JORC Code explanation	Commen	tary						
	<ul> <li>down hole length and interception depth</li> <li>hole length.</li> <li>If the exclusion of this information is justified</li> </ul>	FJOD-04	337169.0	6814370.0	1212.0	PSAD56	350	-60	278.0
		FJOD-05	334476.8	6814324.5	916.9	PSAD56	350	-75	511.5
	on the basis that the information is not	FJOD-06	335629.0	6814182.1	994.5	PSAD56	46	-49	587.9
	Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	FJOD-07	335873.7	6814350.8	985.4	PSAD56	225	-48	514.8
		FJOD-08	335735.0	6814413.7	980.2	PSAD56	224	-70	589.9
		FJOD-09	336539.9	6813972.9	1034.5	PSAD56	271	-49	630.7
		FJOD-10	335296.7	6814717.2	961.1	PSAD56	227	-60	536.2
		FJOD-11	335201.2	6814625.9	959.5	PSAD56	227	-50	451.9
		FJOD-12	335663.7	6814454.5	983.4	PSAD56	227	-55	248.0
		FJOD-13	336111.3	6814383.4	1007.4	PSAD56	227	-60	623.4
		FJOD-14	335667.2	6814457.7	983.5	PSAD56	227	-55	600.0
		FJOD-15	336274.7	6814265.6	1029.6	PSAD56	227	-60	712.9
		FJOD-16	336440.3	6814154.7	1043.3	PSAD56	227	-65	710.4
		FJOD-17	336488.7	6813913.6	1034.9	PSAD56	227	-65	599.3
		FJOD-18	336644.4	6813840.6	1045.3	PSAD56	227	-60	629.4
		FJOD-19	335591.6	6814752.6	1015.2	PSAD56	54	-78	1123.4
		FJOD-20	335553.2	6814353.5	966.2	PSAD56	102	-60	697.9
		FJOD-21	335114.7	6814659.9	961.0	PSAD56	109	-74	350.3
		FJOD-22	336190.0	6814175.5	1006.0	PSAD56	30	-60	631.3
		FJOD-23	336191.4	6813924.8	1027.3	PSAD56	48	-65	1007.0
		FJOD-24	335027.2	6814621.1	970.4	PSAD56	110	-75	250.8
		FJOD-25	334956.0	6814633.1	970.6	PSAD56	110	-75	281.4
		FJOD-26	335001.4	6814553.8	953.4	PSAD56	110	-70	98.7
		FJOD-27	334996.7	6814552.3	953.4	PSAD56	290	-75	191.6
		FJOD-28	335260.9	6814125.9	974.6	PSAD56	305	-70	545.7
		FJOD-29	336493.4	6813914.7	1035.0	PSAD56	45	-75	715.2
		FJOD-30	336192.2	6814169.4	1006.2	PSAD56	45	-80	713.4
		FJOD-31	336805.8	6813742.7	1059.9	PSAD56	227	-60	728.1
		FJOD-32	336198.0	6813922.3	1027.4	PSAD56	90	-65	1085.6

Criteria	JORC Code explanation	Commentary								
		FJOD-33	335631.8	6814180.8	994.4	PSAD56	45	-68	947.2	
		FJOD-34	335201.1	6814623.6	959.6	PSAD56	45	-70	647.3	
		FJOD-35	335915.0	6814060.0	1024.0	PSAD56	45	-70	845.2	
		FJOD-36	336303.0	6813740.0	1058.0	PSAD56	90	-70	1025.5	
		FJOD-37	335372.0	6814431.0	951.0	PSAD56	45	-70	1000.0	
		FJOD-38	335125.0	6814675.0	956.0	PSAD56	270	-60	446.5	
		FJOD-39	336942.0	6813225.0	1150.0	PSAD56	0	-90	743.5	
		All drill holes completed by Hot Chili have been reported in this announcement and previous announcements to the ASX made on 5 <sup>th</sup> June 2019 and 9 <sup>th</sup> May 2019.  Any quoted results in the main report body, from historic or previous company drilling or sampling programmes, has been provided for historic and qualitative purposes only.  All historic or previous company drilling results not included may be due to; a) uncertainty of result, location or other unreliability, b) yet to be assessed by Hot Chili, c) unmineralised, d)								
Data	In reporting Exploration Results, weighting	unsampled or unrecorded, or e) not considered material.  In reported exploration results, length weighted averages are used for any non-uniform								
aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	intersection sample lengths. Length weighted average is (sum product of interval x corresponding interval assay grade), divided by sum of interval lengths and rounded to one decimal place.								
		No top cuts have been considered in reporting of grade results, nor was it deemed necessary for the reporting of significant intersections.								
		No metal	equivalent	values hav	e been	reported.				
Relationship between mineralisation	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with</li> </ul>	Drilling at the Cortadera project was nominally perpendicular to mineralisation, where known and practical.								
widths and	respect to the drill hole angle is known, its nature should be reported.					s to the inte being asse		drilling	undertaken t	by other previous

Criteria	JORC Code explanation	Commentary
intercept lengths	<ul> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	
Diagrams	<ul> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>	Refer to figures in announcement. A plan view of reported significant intersection drill holes are included.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high	It is not practical to report all exploration results as such unmineralised intervals. Low or non-material grades have not been reported, however a full list of drill hole coordinate and orientation details is stated above.
	grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All drill hole locations are reported and a table of significant intervals is provided in the announcement.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Available data from historic or previous exploration parties includes some surface mapping, surface geochemical surveys and geophysical surveys (Ground magnetics, airborne magnetics and Induced Polarisation surveys. Where possible, historic exploration data has been supported by selected sampling and geological mapping undertaken by Hot Chili.
Further work	<ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	Potential work across the Cortadera project may include further verification drilling, sampling, assaying and QA/QC. Other further work may also include mapping, surface sampling, ground or airborne geophysics as well as in-fill or exploratory drilling.